Assignment 1

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## Assignment Instructions

In a Word document, respond to the following and upload via Canvas:

1. Download the rollercoasters.sav file and open it in SPSS (or import it into R)
2. Write up a response to the following question, using an ANOVA:
   * Do roller coasters that have different excitement ratings differ in their max speed?
   * Make sure to describe center, spread, and shape of the distribution of the variables (Analyze, Descriptives, Explore may be helpful here)
   * Are assumptions of ANOVA met? (What are the assumptions? You can look in your book for this, or also use Laerd Statistics (Links to an external site.)) Include all relevant output from the ANOVA in your response to the question

summary(cars)

## speed dist   
## Min. : 4.0 Min. : 2.00   
## 1st Qu.:12.0 1st Qu.: 26.00   
## Median :15.0 Median : 36.00   
## Mean :15.4 Mean : 42.98   
## 3rd Qu.:19.0 3rd Qu.: 56.00   
## Max. :25.0 Max. :120.00

## Including Plots

You can also embed plots, for example:



Note that the echo = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.